

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	22847	(linear line) adj sensor	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/02/14 09:21
L2	6522	(dummy (optical adj black) dark) near2 (pixel\$1 photodiode\$1 photogate\$1)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/02/14 09:21
L3	199	L1 and L2	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/02/14 09:30
L4	135109	"250"/\$.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/02/14 09:21
L5	49051	"358"/\$.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/02/14 09:21
L6	809254	transistor\$1	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/02/14 09:30
L7	1811	2 and 6	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/02/14 09:31
L8	2082439	op\$1amp operational adj amplifier\$1 subtract\$3 difference	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/02/14 09:32

## EAST Search History

L9	4001	2 and 8	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/02/14 09:32
L10	768	2 same 8	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/02/14 09:32
L11	210	10 and 6	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/02/14 09:32
L15	674	348/241.ccls.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/02/14 10:27
L16	82	2 and 15	US-PGPUB; USPAT; USOCR	OR	OFF	2006/02/14 10:27
L22	466	4 and 2	US-PGPUB; USPAT; USOCR	OR	OFF	2006/02/14 14:08
L23	430	5 and 2	US-PGPUB; USPAT; USOCR	OR	OFF	2006/02/14 14:08
L24	336	4 and 2 and 8	US-PGPUB; USPAT; USOCR	OR	OFF	2006/02/14 14:08
L25	302	5 and 2 and 8	US-PGPUB; USPAT; USOCR	OR	OFF	2006/02/14 14:09
S1	17	(toshimitsu with tamagawa).in.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/09/13 08:57
S2	30330	roh.m.as.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/09/13 09:01

## EAST Search History

S3	324268	photodiode cmos ccd	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/09/13 09:02
S4	81615	dummy	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/09/13 09:02
S5	46977	Correlated adj Double adj Sampling cds	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/09/14 09:48
S6	185	S2 and S4	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/09/13 11:45
S7	301602	pixel\$1	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/09/13 09:04
S8	17	S6 and S3	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/09/13 09:04
S9	262	348/243.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/09/13 12:02
S10	61	348/245.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/09/13 12:02

## EAST Search History

S11	596	348/294.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/09/13 12:02
S12	376	348/302.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/09/13 12:02
S13	123	348/304.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/09/13 12:02
S14	111	348/310.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/09/13 12:02
S15	349	348/311.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/09/13 12:03
S16	41	348/321.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/09/13 12:04
S17	2741	250/208.1.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/09/13 12:01
S18	2622	optical near2 black	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/09/13 12:06

## EAST Search History

S19	12504	black near2 pixel\$1	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/09/13 12:07
S20	622	348/241.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/09/13 12:08
S21	141	348/262.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/09/13 12:11
S22	81058	differential adj amplifier	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/09/13 12:11
S23	221690	capacitance	US-PGPUB; USPAT; USOCR	OR	OFF	2005/09/13 12:38
S24	328739	bus	US-PGPUB; USPAT; USOCR	OR	OFF	2005/09/13 12:39
S25	2310	bus near6 capacitance	US-PGPUB; USPAT; USOCR	OR	OFF	2005/09/13 12:39
S26	152	S4 and S25	US-PGPUB; USPAT; USOCR	OR	OFF	2005/09/14 12:14
S27	152	S4 and S25	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/09/13 12:40
S28	321784	S27 an S7	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/09/13 12:40

## EAST Search History

S29	35	S27 and S7	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/09/13 13:17
S30	113354	shift adj register\$1	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/09/13 15:38
S31	75518	(multiple plural plurality) near3 (ccd\$1 cmos sensor\$1) chip adj select	US-PGPUB; USPAT; USOCR	OR	OFF	2005/09/13 13:44
S34	1934	horizontal adj shift adj register\$1	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/09/13 15:40
S35	90161	photodiode\$1	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/09/13 15:38
S36	450	S34 and S35	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/09/13 15:38
S37	113354	shift adj register\$1	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/09/13 15:40
S38	4163	S37 and S35	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/09/13 15:42

## EAST Search History

S39	680	S38 and (S22 S5)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/09/13 15:44
S40	274	S39 and S23	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/09/13 15:43
S41	247	S38 and S4	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/09/13 15:46
S42	122	S41 and S7	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/09/13 15:46
S45	37	348/283.ccls.	US-PGPUB; USPAT; USOCR	OR	OFF	2005/09/13 16:07
S46	87	348/298.ccls.	US-PGPUB; USPAT; USOCR	OR	OFF	2005/09/13 16:09
S47	108	348/303.ccls.	US-PGPUB; USPAT; USOCR	OR	OFF	2005/09/13 16:13
S48	704	348/308.ccls.	US-PGPUB; USPAT; USOCR	OR	OFF	2005/09/13 16:23
S49	140	348/317.ccls.	US-PGPUB; USPAT; USOCR	OR	OFF	2005/09/13 16:23
S50	2030	Correlated adj Double adj Sampling cds and dummy adj pixel	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/09/14 09:49

## EAST Search History

S51	24	((Correlated adj Double adj Sampling) cds) and dummy adj pixel	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/09/14 09:48
S52	24	(Correlated adj Double adj Sampling cds) and dummy adj pixel	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/09/14 09:49
S55	1569	fixed adj pattern adj noise	US-PGPUB; USPAT; USOCR	OR	OFF	2005/09/14 10:42
S56	1228	(dark dummy) adj pixel	US-PGPUB; USPAT; USOCR	OR	OFF	2005/09/14 10:47
S58	9694	(plurality plural multiple) near3 (shift adj register\$1)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/09/14 12:42
S59	1631	S58 and pixels\$1	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/09/14 12:16
S60	161	S58 and pixels\$1 and photodiode\$1	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/09/14 12:16
S63	45627	(plurality plural multiple) near3 (chips IC ICs (integrated adj circuits))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/09/14 12:42
S64	301602	pixel\$1	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/09/14 12:43



## EAST Search History

S65	90161	photodiode\$1	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/09/14 12:43
S66	355	S63 and S64 and S65	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/09/14 12:43
S73	345684	trigger	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/09/14 14:48
S76	11395	chip near2 select	US-PGPUB; USPAT; USOCR	OR	OFF	2005/09/14 15:28
S77	118	S76 and S64 and S65	US-PGPUB; USPAT; USOCR	OR	OFF	2005/09/14 15:28
S81	13425	multi\$1chip	US-PGPUB; USPAT; USOCR	OR	OFF	2005/09/14 16:33
S82	18	S81 and (S55 or fpn)	US-PGPUB; USPAT; USOCR	OR	OFF	2005/09/14 16:33
S83	26	S81 and (S55 fpn S56)	US-PGPUB; USPAT; USOCR	OR	OFF	2005/09/14 16:34
S84	61	348/245.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/09/15 20:07
S85	123	348/300.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/09/15 20:07

## EAST Search History

S86	265	348/243.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/09/15 20:08
S87	107	348/307.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/09/15 20:08
S88	597	348/294.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/09/15 20:08
S89	350	348/311.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/09/15 20:08
S90	0	348/230.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/09/15 20:08
S91	135	348/230.1.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/09/15 20:08
S92	624	348/241.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/09/15 20:08
S93	30	348/309.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/09/15 20:09

## EAST Search History

S94	775	710/36.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/09/15 20:09
S95	699	382/312.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/09/15 20:09
S96	634	358/482.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/09/15 20:09
S97	632	358/483.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/09/15 20:10
S98	634	358/482.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/09/15 20:10
S99	479	327/307.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/09/15 20:10
S10 0	526	378/98.8.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/09/15 20:10
S10 1	27329	intel.as.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/02/13 09:58

## EAST Search History

S10 2	324	dark adj frame	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/02/13 09:59
S10 3	10	S101 and S102	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/02/13 10:33
S10 4	22847	(linear line) adj sensor	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/02/14 09:04
S10 5	6522	(dummy (optical adj black) dark) near2 (pixel\$1 photodiode\$1 photogate\$1)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/02/14 09:05
S10 7	49051	"358"/\$.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/02/14 09:05
S10 8	199	S104 and S105	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/02/14 09:06